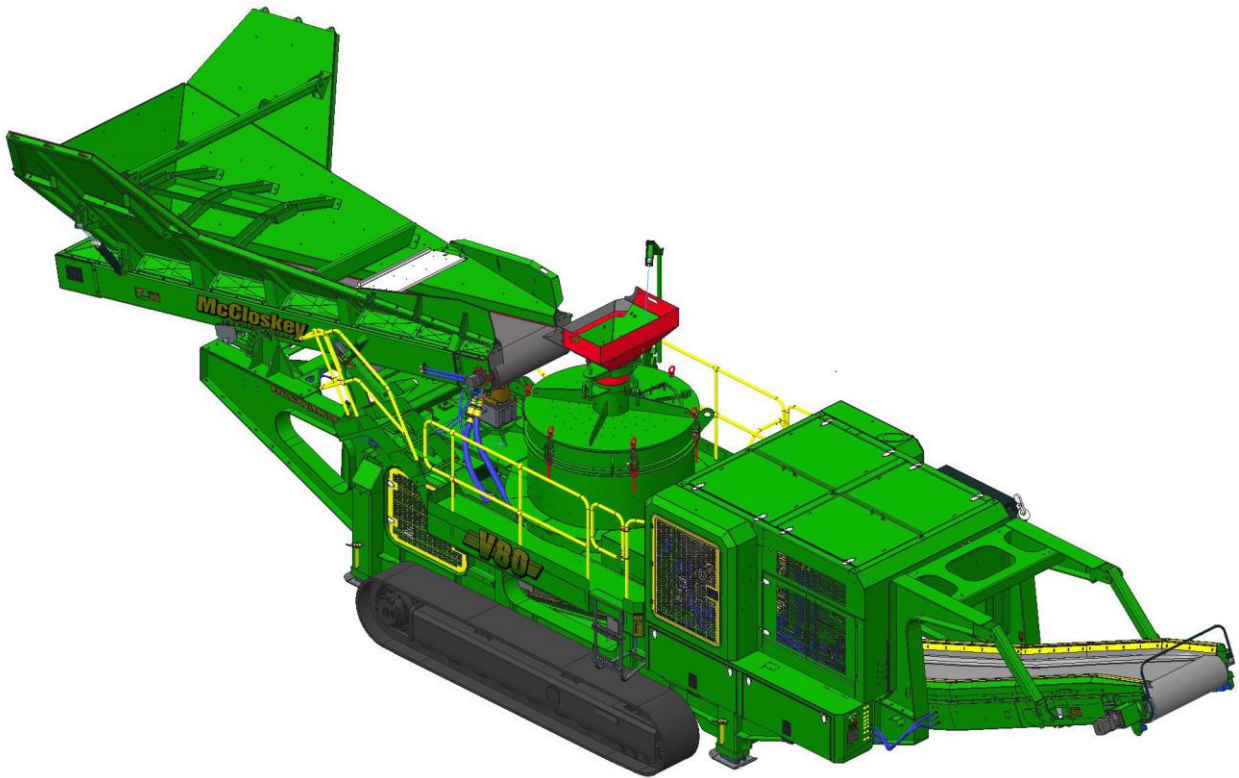




SPECIFICATIONS



McCloskey ***V80***

All specifications are current as of this printing, but are subject to change

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**DESCRIPTION**

Heavy duty track mounted Crusher with following features:

- Cemco Turbo T-80 VSI crusher.
- 440Hp C13 Cat engine.
- Track or Track c/wWheel bogie.
- Integrated hopper with folding rear door.
- I-beam plate fabricated chassis construction.
- Large access between crusher discharge and main conveyor feedboot
- Open chassis design for ease of maintenance
- Fast setup time

DIMENSIONS AND WEIGHTS

Length - transport all models	15.98 m (52' - 4.9")
Width - transport all models	2.90 m (9' - 6")
Height - transport track	3.40 m (11' - 2")
Weight - track	39,000 (85,980 lbs) estimated

CAPACITIES

Diesel tank capacity	800 L (211 US gal)
Hydraulic tank capacity	1 800 L (475 US Gals)

CRUSHING CHAMBER

Crusher speed	800 – 1 800 rpm
Crusher Drive	Hydraulic – V-belt drive
Feed size Rotor	100 mm (4")
Feed size Superchipper™	50 mm (2") - 63.5mm (2.5")
Superchipper™ diameter	890 mm (35")
Shoe table diameter	890 mm (35")
VSI weight	11,430 (25,200 lbs)
Motor	Kawasaki axial piston 530cc/rev
Flow rate	608 Lpm (160 US gpm)
Level sensor	Ultrasonic
Max feed tonnage	100 - 275 TPH

Hydraulic raise/lower lid for maintenance

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POSSIBLE INTERNAL CONFIGURATION OPTIONS

Shoe Table / Rockshelf



- Friable, low abrasion material
- Low reduction rate / High recirculating load
- Low percentage of "fracture face" material

Superchipper™ / Rockshelf



- Good for shaping abrasive material
- Good for light crushing

Shoe Table / Anvil Ring



- Medium range friable material
- Medium to low abrasion material
- Low to Medium recirculating load
- Good reduction rate / Good for "chips" and sand

Superchipper™ / Anvil Ring



- Low recirculating load
- High reduction rate / High "fractured face" ratio
- Use with high abrasion, low friability material
- Excellent for producing sands and fines



Shoe Table Data				Superchipper™ Rotor Data			
Diameter	Shoes	Feed Size	Capacity	Diameter	Ports	Feed Size	Capacity
890mm (35")	3,4,5,6	100mm (4")	100-400	890mm (35")	4,5	63mm (2.5")	100-400

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**FEEDER**

Feeder opening width	800 mm (31.5")
Feeder drum crs.	6000 mm (19' 8.2")
Drive	Hydraulic
Feeder belt width	1050 mm (42")
Motor	Danfoss OMSS 125
Gearbox	Bonfig 809 W2 23.6:1
Flow rate	87.4 Lpm (23.1 US gpm)
Adjustable speed	Yes
Maximum speed	29 rpm

HOPPER

Length	3 780 mm (12' - 4.9")
Width	2 200 mm (7' - 2")
Volume	5m ³ (6.5yd ³)
Material	6 mm sides + 10 mm hardox liners

MAIN CONVEYOR

Stockpile height	3 250 mm (10' - 8")
Belt width	1 050 mm (42")
Belt spec	Plain 500/3 8+2
Drive drum dia.	350 mm (13.7")
Tail drum dia.	270mm (10.6")
Motor	OMV630
Flow rate	68.4 Lpm (18.1 US gpm)
Maximum speed	108.5 rpm
Angle adjustable	NO
Quick release	YES

POWERUNIT AND HYDRAULICS

Engine	CAT C13
Engine power	320 kW (440 HP)
Engine speed	1 900 rpm
Flywheel Pump 1	Kawasaki K5V200DP
LH PTO Pump 2	David Brown 5036 5023
RH PTO Pump 3	David Brown 5046 2SPA08
Total system flow	721.3 Lpm (190.5 US Gpm)
Hydraulic tank capacity	1 800 L (475 US Gals)
Hydraulic tank ratio	2.5 : 1
Hydraulic Oil cooler	2 off

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**ELECTRICS**

Emergency stops	4 off, 2 feeder, 2 powerunit
Chassis cabling	Armored cable
Start Siren	YES - 10 sec delay
Control panel	Plus 1 Danfoss colour screen
Engine shutdowns:	Low oil pressure
	High water temp
	Air filter blockage (selectable)
	Fuel contamination
	Low hydraulic tank level
Radio control tracks	Standard - Hetronic system
Pendant track control	YES - plugged in control cabinet

TRACKS

Width	500 mm (19.7")
Length	3 800 mm (12' - 6") crs
Height	798 mm (31.4")
Gearbox	Bonfiglioli 711
Ratio	153:1
Motor	Rexroth 90
Speed max	1.50 Kph (0.93 Mph)
Flow rate	138 Lpm (36.45 US gpm)
Dual speed	Variable high speed system
Attachment to chassis	Bolt On for quick change

OPTIONS

Roll-in bogie system
Main conveyor variable speed control
Interlock system
Hopper Extensions
Water Pump and dust suppression system Standard
Metal detector on Feeder
Work lights
Belt scale

SAFETY FEATURES

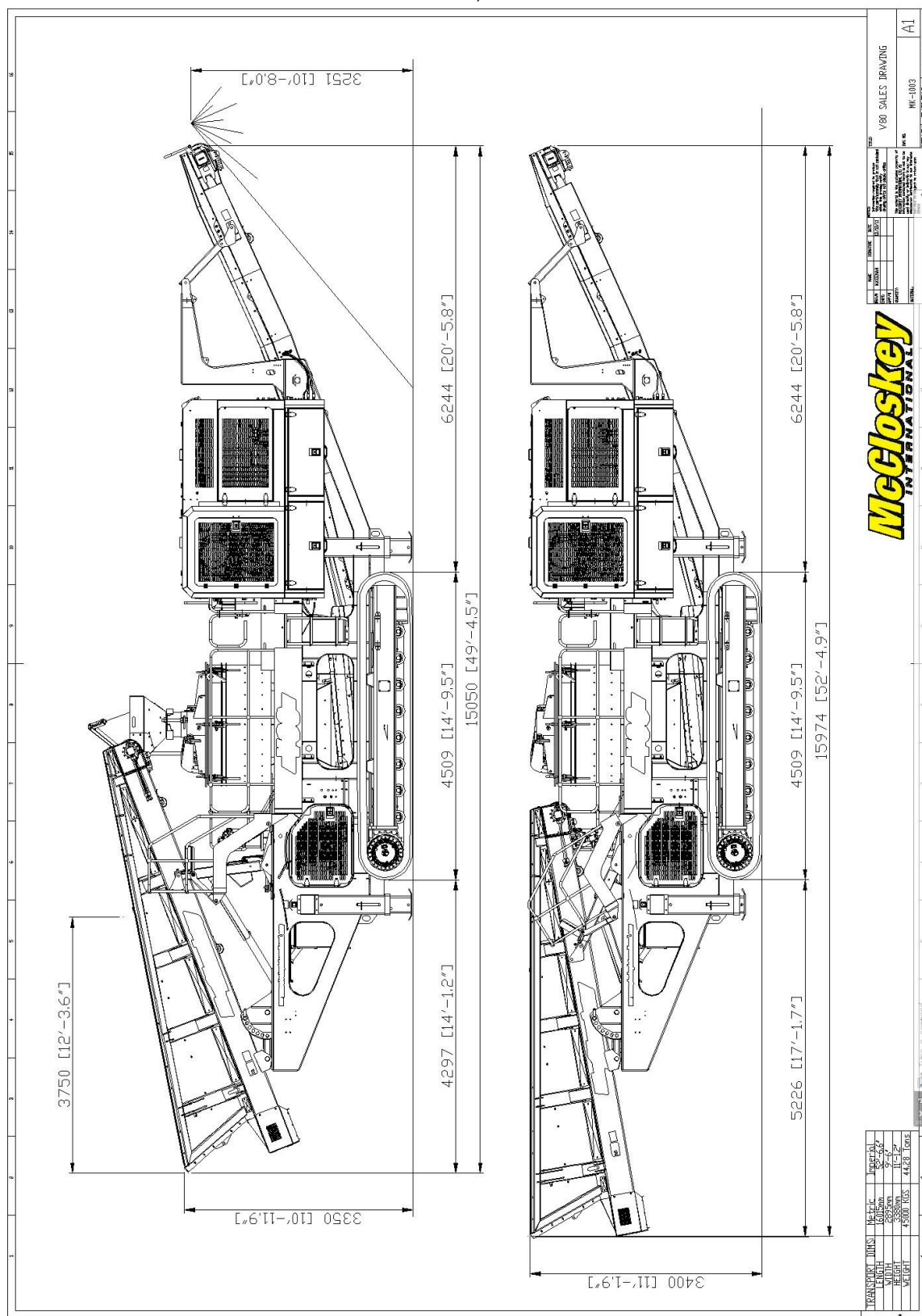
External belt alignment points
External grease points
Engine safety shutdown systems
Full safety guarding for nip points
Hydraulic oil temp sensor
Fuel level sensor
Return filter sensor

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V80

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